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TI High-flowability cement compositions

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SO Jpn. Kokai Tokkyo Koho, 8 pp.

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DT Patent

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CC 58-1 (Cement, Concrete, and Related Building Materials)

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CLASS

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AB Into cement-based compns. containing a dispersant comprising aryl sulfonate (with or without alkyl substitution)-H<sub>2</sub>CO condensate, cellulose-based binder and water, a nonionic surfactant derived from higher fatty acids is added. Thus, a composition comprising cement 70, silica powder 30, pulp 4.5, polypropylene fiber 0.5, hydroxypropylmethylcellulose 1.0,  $\beta$ -naphthalenesulfonic acid-formalin condensate 0.3, polyoxyethylene monooleate 0.02, and water 22 parts was extruded and autoclaved at 170° for 8 h to give a concrete having bending strength 310 kg/cm<sup>2</sup>.

ST nonionic surfactant fatty acid cement